

RECEIVED AUG 2 4 2005

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of :

Claude BARLIER, ET AL. :

Application No. 10/530,504 :

Filed: April 6, 2005 :

For a Patent for a :

MECHANICAL COMPONENT HAVING AT LEAST

ONE FLUID TRANSPORT CIRCUIT AND

METHOD FOR DESIGNING SAME IN STRATA : August 18, 2005

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

This paper is being filed to advise the U.S. Patent Office of information which may be considered "material to patentability" in examining this patent application, in accordance with the provisions of 37 C.F.R. §1.56.

The present application is derived from International Application No. PCT/FR2003/002224, and was filed pursuant to 35 U.S.C. §371. The following documents are noted for being cited in the Search Report issued during the international stage of the International Application.

U.S. Patent

5,812,402 (Makiuchi, et al.) - Issued: September 22, 1998

Foreign Documents

- EP 0 585 502 (Laboratoire ERIN.MP Equipes de Recherche en Interface Numérique Mécanique et Production) Published: March 9, 1994
- WO 99/00234 (UT Automotive Dearborn Inc.) -
 - Published: January 7, 1999

Other Document

T. Himmer, et al., "Lamination of Metal Sheets", Computers in Industry, Elsevier Science Publishers, Amsterdam, Netherlands, Vol. 39, No. 1, Pages 27-33 (June 1999)

Copies of the above-listed documents should already have been received by the U.S. Patent Office, and the foregoing documents have been listed on the four (4) PTO-1449 forms which have been enclosed with this Information Disclosure Statement to facilitate the Examiner's acknowledgement of the above-listed documents.

The U.S. Patent Office is further advised of an earlier search which was performed relative to French Patent Application No. 02/12389, the priority of which is claimed in connection with the present application. A copy of the issued Search Report,

No. FA 628195, is enclosed with this Information Disclosure Statement. The documents cited in the French Search Report duplicate the documents cited in the PCT Search Report.

The following documents are also being submitted for consideration:

Foreign Documents

FR 2,834,803 (CIRTES SRC; Registration No. 02/00514) - Published: July 18, 2003

FR 2,809,040 (CIRTES) - Published: November 23, 2001

FR 2,808,896 (CIRTES) - Published: November 16, 2001

FR 2,789,188 (CIRTES) - Published: August 4, 2000

FR 2,789,187 (CIRTES) - Published: August 4, 2000

WO 02/22341 (Metallamics, Inc.) - Published: March 21, 2002

Other Document

T. Polito, "Comment Optimiser le Moulage des Plastiques" ("How to Optimize the Molding of Plastics"), Emballages Magazine, January-February 2002, Supplement No. 605, pages 56 and 57

Copies of the above-listed documents are enclosed with this Information Disclosure Statement. A concise explanation of the relevance of the (non-English language) documents is provided in applicants' specification.

The U.S. Patent Office is further advised of an earlier filed International Application, No. PCT/FR99/02788, which was assigned the U.S. Patent Application No. 09/856,208, and which has since issued as U.S. Patent No. 6,745,446, on June 8, 2004. The Search Report issued for International Application No. PCT/FR99/02788, and a Search Report (No. FA 564950) issued for French Patent Application No. 98/14688, the priority of which was claimed in connection with International Application No. PCT/FR99/02788, cite the same documents, including:

Foreign Documents

DE 40 41 105 (Toepholm & Westermann APS) -

- Published: June 25, 1992

EP 0 655 668 (Ford Motor Company Ltd.) -

- Published: May 31, 1995

EP 0 585 502 (Laboratoire ERIN.MP - Equipes de Recherche en Interface Numérique Mécanique et Production) - Published: March 9, 1994

The following documents were cited by the U.S. Patent Office during the examination of U.S. Patent Application No. 09/856,208:

U.S. Patents

6,324,438 (Cormier et al.) - Issued: November 27, 2001

- 6,136,132 (Kinzie) Issued: October 24, 2000
- 5,847,958 (Shaikh et al.) Issued: December 8, 1998
- 5,765,137 (Lee) Issued: June 9, 1998
- 5,514,232 (Burns) Issued: May 7, 1996
- 4,752,352 (Feygin) Issued: June 21, 1988
- 4,675,825 (DeMenthon) Issued: June 23, 1987
- 3,932,923 (DiMatteo) Issued: January 20, 1976

Foreign Document

2,011,814 (United Kingdom) - Published: July 18, 1979

U.S. Patent Application No. 09/856,208 was co-filed with an application derived from International Application No. PCT/FR99/02790, which was assigned the U.S. Patent Application No. 09/856,311. A continuation application has since been filed, which has been assigned the U.S. Patent Application No. 10/826,536. The Search Report issued for International Application No. PCT/FR99/02790, and a Search Report (No. FA 564949) issued for French Patent Application No. 98/14687, the priority of which was claimed in connection with International Application No. PCT/FR99/02790, cite the same documents, including:

U.S. Patent

4,001,069 (DiMatteo) - Issued: January 4, 1977

Foreign Documents

EP 0 738 583 (KIRA Corp.) - Published: October 23, 1996

EP 0 655 317 (IBM) - Published: May 31, 1995

EP 0 606 627 (IBM) - Published: July 20, 1994

EP 0 585 502 (Laboratoire ERIN.MP - Equipes de

Recherche en Interface Numérique Mécanique et Production) - Published: March 9, 1994

WO/95 08416 (Massachusetts Institute of Technology)

- Published: March 30, 1995

In addition to the documents cited in the International Search Report, the International Preliminary Examination Report further listed the following document:

U.S. Patent

5,354,414 (Feygin) - Issued: October 11, 1994

The following documents were cited by the U.S. Patent Office during the examination of U.S. Patent Application No. 09/856,311:

U.S. Patents

5,793,015 (Walczyk) - Issued: August 11, 1998

5,663,883 (Thomas et al.) - Issued: September 2, 1997

5,031,483 (Weaver) - Issued: July 16, 1991

5,015,312 (Kinzie) - Issued: May 14, 1991

4,752,352 (Feygin) - Issued: June 21, 1988

U.S. Patent Publication

2003/0006001 (Yang et al.) - Published: January 9, 2003

The U.S. Patent Office is further advised of an earlier filed International Application, No. PCT/FR01/01444, which has since been assigned the U.S. Patent Application No. 10/276,218, and which has since issued as U.S. Patent No. 6,921,068, on July 26, 2005. The Search Report issued for International Application No. PCT/FR01/01444, and a Search Report (No. FA 587287) issued for French Patent Application No. 00/06184, the priority of which was claimed in connection with International Application No. PCT/FR01/01444, cite the same documents, including:

U.S. Patent

3,790,152 (Parsons) - Issued: February 5, 1974

Foreign Documents

EP 0 811 457 (Tarumizu) - Published: December 10, 1997 FR 2 233 137 (Della Flora) - Published: January 10, 1975

The following documents were cited by the U.S. Patent

Office during the examination of U.S. Patent Application No. 10/276,218:

U.S. Patents

3,790,152 (Parsons) - Issued: February 5, 1974

3,612,387 (Rathbun) - Issued: October 12, 1971

U.S. Patent Application No. 10/276,218 was co-filed with an application derived from International Application No. PCT/FR01/01445, which has since been assigned the U.S. Patent Application No. 10/276,217. The Search Report issued for International Application No. PCT/FR01/01445, and a Search Report (No. FA 587980) issued for French Patent Application No. 00/06181, the priority of which was claimed in connection with International Application No. PCT/FR01/01445, cite the same documents, including:

Foreign Documents

DE 37 11 470 (Fraunhofer Ges... Forschung) -

- Published: October 27, 1988

EP 0 655 668 (Ford Motor Company Ltd.) -

- Published: May 31, 1995

FR 2 750 064 (Richardson) - Published: December 26, 1997

FR 2 673 302 (Barlier) - Published: August 28, 1992

WO 91/12120 (Quadrax Corp.) - Published: August 22, 1991

Other Documents

Patent Abstracts of Japan, vol. 016, no. 370 (M-1292) -

- Published: August 10, 1992 (pertaining to JP 04 118221 (Fujitsu Ltd.), published April 20, 1992)

Patent Abstracts of Japan, vol. 1995, no. 11 -

- Published: December 26, 1995 (pertaining to JP 07 214274 (U Mold:KK), published August 15, 1995)

In addition to the documents cited in the International Search Report, the International Preliminary Examination Report further listed the following document:

U.S. Patent

EP 0 585 502 (Laboratoire ERIN.MP - Equipes de Recherche en Interface Numérique Mécanique et Production) - Published: March 9, 1994

The following documents were cited by the U.S. Patent Office during the examination of U.S. Patent Application No. 10/276,217:

U.S. Patents

6,617,601 (Wiklund) - Issued: September 9, 2003

6,544,024 (Yim) - Issued: April 8, 2003

6,409,902 (Yang et al.) - Issued: June 25, 2002

- 6,405,095 (Jang et al.) Issued: June 11, 2002
- 6,358,029 (Niimi) Issued: March 19, 2002
- 6,284,182 (McNally) Issued: September 4, 2001
- 6,276,656 (Baresich) Issued: August 21, 2001
- 5,725,891 (Reid, Jr.) Issued: March 10, 1998
- 4,781,555 (Cook) Issued: November 1, 1988
- 4,601,652 (Ando et al.) Issued: July 22, 1986
- 4,586,690 (Härtel et al.) Issued: May 6, 1986
- 4,338,068 (Suh et al.) Issued: July 6, 1982
- 3,039,146 (Engel) Issued: June 19, 1962
- 2,479,191 (Williams et al.) Issued: August 16, 1949
- 2,477,060 (Hudak) Issued: July 26, 1949
- 2,428,658 (Falk et al.) Issued: October 7, 1947

U.S. Patent Application Publications

2003/0141609 (Jia) - Published: July 31, 2003

2002/0162940 (Frul et al.) - Published: November 7, 2002

Other Document

Bocking et al., "Electrochemical Routes for Engineering Tool Production", The GEC Journal of Technology, Vol. 14, No. 2, pages 66 to 74 (1997)

The U.S. Patent Office is further advised of a later filed International Application, No. PCT/FR2003/000367, which

has not yet been assigned a U.S. patent application number. The Search Report issued for International Application No. PCT/FR2003/000367, cites the following documents:

U.S. Patent

5,776,409 (Almquist et al) - Issued: July 7, 1998

Foreign Documents

- EP 0 763 417 (Toyota Jidosha Kabushiki Kaisha) Published: March 19, 1997
- EP 0 585 502 (Laboratoire ERIN.MP Equipes de Recherche en Interface Numérique Mécanique et Production) Published: March 9, 1994

Copies of the above-listed Search Reports are enclosed with this Information Disclosure Statement. Also enclosed with this Information Disclosure Statement are copies of the "foreign documents" and the "other documents" which have been identified, for consideration in this matter. A concise explanation of the relevance of non-English language documents is available with reference to the Search Report which cited the non-English language document. Copies of the U.S. patent documents have not been enclosed with this Information Disclosure Statement in view of the waiver of such requirements for International Applications which entered their U.S. national stage after

June 30, 2003 (OG Notices; 05 August 2003).

Due consideration of the foregoing documents is respectfully requested under 37 C.F.R. §1.56(a)(2). It is further respectfully requested that the Examiner acknowledge consideration of the above-listed documents by initialing the PTO-1449 forms (4) which are enclosed with this Information Disclosure Statement and which list the foregoing documents, and by providing applicants with initialed copies of the enclosed PTO-1449 forms to confirm consideration of the listed documents.

Respectfully submitted,

GARY M. COHEN, ESQ.

Reg. No. 28,834

Attorney for Applicants Tel.: (610) 975-4430

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" on August 18, 2005.

Date: 8/18/05

ary M. Cohen, Esq

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	BD	5	7	7	6	4	0	9	07/07/98	Almquist	et al.						
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T. Himmer, et al., "Lamination of Metal Sheets", Computers in Industry, Elsevier Science Publishers, Amsterdam, Netherlands, Vol. 39, No. 1, Pages 27-33 (June 1999) BR

Patent Abstracts of Japan, vol. 016, no. 370 (M-1292) Published: August 10, 1992 (pertaining to JP 04 118221 (Fujitsu Ltd.), published April 20, 1992)

Patent Abstracts of Japan, vol. 1995, no. 11 Published: December 26, 1995 (pertaining to JP 07 214274 (U Mold:KK), published August 15, 1995)

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